

Docket No. F-7857

Ser. No. 10/600,196

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) A burner head comprising:

a gas passage and a plurality of burner ports;

first and second planar metal sheets, each sheet having an internal face, each sheet comprising first and second portions, said first and second portions connecting at a substantially linear boundary, said first portion is formed of a first metal material and second portion is formed of a second metal material, said first material being different from said second material;

said first portion of said first sheet including a depression for defining a portion of said plurality of burner ports and said second portion of said second sheet including a depression for defining a portion of said gas passage, said gas passage connecting with said burner ports at said boundary;

said first portion of said second sheet including a depression for defining a further portion of said plurality burner ports and said second portion of said first sheet including a depression for defining a further portion of said gas passage, said gas passage connecting with said burner ports at said boundary;
and

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said internal face of said first sheet connecting against said internal face of said second sheet for forming said gas passage and said plurality of burner ports

~~— a gas passage and at least one burner port;~~

~~— said gas passage and burner port being formed by:~~

~~— forming first and second planar metal sheets, each sheet comprising first and second primary metal materials, said first material being different from said second material;~~

~~— forming, on said first and second sheets, a portion of said gas passage on said first material and a portion of said at least one burner port on said second material; and~~

~~— connecting said first and second sheets for forming said gas passage and said at least one burner port.~~

2. (Original) The burner head as set forth in claim 1, wherein:

said metal flat-plate material is a combination of a first metal primary material having high heat resistance and a second metal primary material having high workability, and

said burner-port constituting region and said gas-passage constituting region are formed, by press molding, in a first section of said metal flat-plate

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material which is formed of said first metal primary material and in a second section of said metal flat-plate material which is formed of said second metal primary material, respectively.

3. (Original) The burner head as set forth in either claim 1 or claim 2, wherein:

said metal flat-plate material is comprised of different types of plate-like metal primary materials of different characteristics, said different types of plate-like metal primary materials being united together at end edges thereof in the same plane by butt-welding.

4. (Original) The burner head as set forth in claim 3, wherein:

each said end edge of said plurality of plate-like metal primary materials extends straightway so that a butt-welding region of said metal flat-plate material extends straightway, and

said butt-welding region is located at such a position between said burner-port constituting region and said gas-passage constituting region that said burner-port and gas-passage constituting regions each undergo a minimum variation in shape.

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5. (Original) The burner head as set forth in claim 3, wherein:
said butt-welding operation is carried out by laser welding.
6. (Previously Presented) A gas burning appliance comprising a burner
head as set forth in any one of claims 1 or 2.
7. (Previously Presented) The burner head of claim 1, wherein said first
and second planar sheets are a single sheet joined at a centerline.
8. (Previously Presented) The burner head of claim 1, wherein said first
and second planar sheets are separate sheets.